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Highly selectively monitoring heavy and transition metal ions by a fluorescent sensor based on dipeptide

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#	Paper	IF	Citations
54	Mercury coordination chemistry of a nitrogen/thioether sulfur ligand having an internal hydrogen bond donor: Generation of a thioether-coordinated dimercurous complex. <i>Main Group Chemistry</i> , 2012 , 11, 53-67	0.6	1
53	Highly sensitive ratiometric fluorescent chemosensor for silver ion and silver nanoparticles in aqueous solution. <i>Organic Letters</i> , 2012 , 14, 4746-9	6.2	92
52	Highly sensitive turn-on detection of Ag ⁺ in aqueous solution and live cells with a symmetric fluorescent peptide. <i>Chemical Communications</i> , 2012 , 48, 3012-4	5.8	71
51	Cellular Uptake of a Polypyridyl Ruthenium Complex Revealed Using a Fluorescent Rhodamine-modified Ruthenium Complex. <i>Journal of the Chinese Chemical Society</i> , 2012 , 59, 1053-1057	1.5	1
50	Selective and sensitive ratiometric detection of Hg ²⁺ in 100% aqueous solution with triazole-based dansyl probe. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4003		101
49	Turn-on fluorescent chemosensor based on an amino acid for Pb(II) and Hg(II) ions in aqueous solutions and role of tryptophan for sensing. <i>Organic Letters</i> , 2013 , 15, 254-7	6.2	161
48	Selective and sensitive turn on detection of Hg ²⁺ in aqueous solution using a thioether-appended dipeptide. <i>Tetrahedron Letters</i> , 2013 , 54, 5007-5010	2	19
47	A ratiometric fluorescent detection of Zn(II) in aqueous solutions using pyrene-appended histidine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 6811-5	2.9	11
46	A dual role of phenylboronic acid as a receptor for carbohydrates as well as a quencher for neighboring pyrene fluorophore. <i>Tetrahedron</i> , 2013 , 69, 11057-11063	2.4	17
45	Preparation and characterization of monoclonal antibody specific for copper-chelate complex. <i>Journal of Immunological Methods</i> , 2013 , 387, 228-36	2.5	17
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40	A "Light-up" 1D supramolecular nanoprobe for silver ions based on assembly of pyrene-labeled peptide amphiphiles: cell-imaging and antimicrobial activity. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 6478-6486	7.3	12
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38	Ratiometric detection of nanomolar concentrations of heparin in serum and plasma samples using a fluorescent chemosensor based on peptides. <i>Analytical Chemistry</i> , 2014 , 86, 6580-6	7.8	52

37	Highly selective colorimetric and fluorescent detection for Hg ²⁺ in aqueous solutions using a dipeptide-based chemosensor. <i>RSC Advances</i> , 2015 , 5, 56356-56361	3.7	16
36	A set of robust fluorescent peptide probes for quantification of Cu(II) binding affinities in the micromolar to femtomolar range. <i>Metallomics</i> , 2015 , 7, 567-78	4.5	15
35	Pyrene Excimer-Based Peptidyl Chemosensors for the Sensitive Detection of Low Levels of Heparin in 100% Aqueous Solutions and Serum Samples. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14243-53	9.5	59
34	Fluorescent peptide-based sensors for the ratiometric detection of nanomolar concentration of heparin in aqueous solutions and in serum. <i>Analytica Chimica Acta</i> , 2015 , 873, 88-98	6.6	19
33	A novel peptide-based fluorescent chemosensor for measuring zinc ions using different excitation wavelengths and application in live cell imaging. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3617-3624	7.3	36
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29	Highly sensitive colorimetric detection of Hg(II) and Cu(II) in aqueous solutions: from amino acids toward solid platforms. <i>Analyst, The</i> , 2015 , 140, 744-9	5	22
28	A BTT-Based Colorimetric Dual Sensor for Hg(II) and Selected Anions with Molecular Logic Operations. <i>Advances in Chemistry</i> , 2016 , 2016, 1-11		2
27	Development of new peptide-based receptor of fluorescent probe with femtomolar affinity for Cu(+) and detection of Cu(+) in Golgi apparatus. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 437-444	11.8	19
26	Fluorescence "on-off-on" peptide-based chemosensor for the selective detection of Cu and S and its application in living cell bioimaging. <i>Dalton Transactions</i> , 2016 , 45, 16246-16254	4.3	28
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22	Synthesis and crystal structure of imidazole containing amide as a turn on fluorescent probe for nickel ion in aqueous media. An experimental and theoretical investigation. <i>Journal of Molecular Structure</i> , 2016 , 1104, 1-6	3.4	16
21	Ratiometric fluorescent probe based on symmetric peptidyl receptor with picomolar affinity for Zn ²⁺ in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2017 , 245, 996-1003	8.5	14
20	Tuning of the selectivity of fluorescent peptidyl bioprobe using aggregation induced emission for heavy metal ions by buffering agents in 100% aqueous solutions. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 179-185	11.8	38

19	A novel polydentate ligand chromophore for simultaneously colorimetric detection of trace Ag and Fe ³⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 186, 17-22	4.4	31
18	A simple cost effective carbazole- β -thiobarbituric acid conjugate as a ratiometric fluorescent probe for detection of mercury(II) ions in aqueous medium. <i>New Journal of Chemistry</i> , 2017 , 41, 5176-5181	3.6	20
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15	Synthesis of a single 1,8-naphthalimide fluorophore as a molecular logic lab for simultaneously detecting of Fe, Hg and Cu. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 196, 76-82	4.4	20
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13	A peptide-based multifunctional fluorescent probe for Cu ²⁺ , Hg ²⁺ and biothiols. <i>New Journal of Chemistry</i> , 2018 , 42, 15770-15777	3.6	20
12	A quinoxaline-diaminomaleonitrile conjugate system for colorimetric detection of Cu in 100% aqueous medium: observation of aldehyde to acid transformation. <i>Dalton Transactions</i> , 2019 , 48, 5656-5664	4.2	6
11	Detection of Pb(II): Au Nanoparticle Incorporated CuBTC MOFs. <i>Frontiers in Chemistry</i> , 2020 , 8, 803	5	5
10	A new peptide-based chemosensor for selective imaging of copper ion and hydrogen sulfide in living cells. <i>Microchemical Journal</i> , 2020 , 154, 104658	4.8	8
9	A dual-functional colorimetric and fluorescent peptide-based probe for sequential detection of Cu and S in 100% aqueous buffered solutions and living cells. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124388	12.8	18
8	Ultrasensitive mercury ion and biothiol detection based on Dansyl-His-Pro-Gly-Asp-NH fluorescent sensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 250, 119246	4.4	0
7	Development of immunoassay methods based on monoclonal antibody and its application in the determination of cadmium ion. <i>Journal of Hazardous Materials</i> , 2021 , 411, 124992	12.8	4
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1 Prediction of Sensor Ability Based on Chemical Formula: Possible Approaches and Pitfalls. **2023**, 11, 158

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